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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
Application Number		Unassigned			
Filing Date		August 3, 2001			
First Named Inventor		Masaharu NODA et al.			
Group Art Unit		Unassigned 1632			
Examiner Name		Unassigned			
Attorney Docket Number		31671-173164			
Sheet	1	of	3		

11000 U.S. PTO  
 09/920653  
 08/03/01

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
TNT	A1	NODA et al, "Existence of Distinct Sodium Channel Messenger RNAs in Rat Brain", Nature, Vol. 320:188-192, (1986)	
TNT	A2	KAYANO et al., "Primary Structure Of Rat Brain Sodium Channel III Deduced From The cDNA Sequence", Federation of European Biochemical Societies, Vol. 228(1):187-194, (1988)	
TNT	A3	SONTHEIMER et al., "Voltage-Gated Na <sup>+</sup> Channels In Glia: Properties And Possible Functions", TINS, Elsevier Science Ltd., Vol. 19(8):325-331, (1996)	
TNT	A4	REESE et al., "Immunocytochemical Localization of NaCh6 In Cultured Spinal Cord Astrocytes", GLIA, Wiley-Liss, Inc., Vol. 26:92-96, (1999)	
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TNT	A6	GEORGE, JR. et al., "Molecular Cloning Of An Atypical Voltage-Gated Sodium Channel Expressed In Human Heart And Uterus: Evidence For A Distinct Gene Family", Proc. Natl. Acad. Sci, USA, Physiology, Vol. 89:4893-4897, (1992)	
<del>DUPLICATE</del>	<del>A7</del>	<del>FELIPE et al., "Primary Structure And Differential Expression During Development And Pregnancy Of A Novel Voltage-Gated Sodium Channel In the Mouse", The Journal of Biological Chemistry, The American Society For Biochemistry And Molecular Biology, Inc., Vol. 269(48):30125-30131, (1994)</del>	
<del>DUPLICATE</del>	<del>A8</del>	<del>AKOPIAN et al., "Structure And Distribution Of A Broadly Expressed Atypical Sodium Channel", FEBS Letters, Federation of European Biochemical Societies, Vol. 400:183-187, (1997)</del>	
TNT	A9	FELTS et al., "NaG: A Sodium Channel-Like mRNA Shared By Schwann Cells And Other Neural Crest Derivatives", GLIA, Wiley-Liss, Inc., Vol. 21:269-276, (1997)	
TNT	A10	FELTS et al., "Sodium Channel $\alpha$ -Subunit mRNAs I, II, III, NaG, Na6 And hNE (PN1): Different Expression Patterns In Developing Rat Nervous System", Molecular Brain Research, Elsevier Science B.V., Vol. 45:71-82, (1997)	
TNT	A11	"Continuous Cultures Of Fused Cells Secreting Antibody Of Predefined Specificity", Nature, Vol. 256:495-497, (1975)	

Examiner Signature		Date Considered	9/10/03
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TNT	A12	✓ KOZBOR et al., "The Production Of Monoclonal Antibodies From Human Lymphocytes", Immunology Today, Elsevier Biomedical Press, Vol. 4(3):72-79, (1983)	
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TNT	A15	✓ YAGI, et al., "A Novel Negative Selection For Homologous Recombinants Using Diphtheria Toxin A Fragment Gene", Analytical Biochemistry, Academic Press, Inc., Vol. 214:77-86, (1993)	
TNT	A16	✓ SHINTANI et al., "Neurons As Well As Astrocytes Express Proteoglycan-Type Protein Tyrosine Phosphatase ζ/RPTPβ: Analysis of Mice In Which the PTPζ/RPTPβ Gene Was Replaced With The LacZ Gene", Neuroscience Letters, Elsevier Science Ireland Ltd., Vol. 247:135-138, (1998)	
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<del>DUPLICATE</del>	<del>A18</del>	<del>✓ JOHNSON et al., "Sensory Circumventricular Organs And Brain Homeostatic Pathways, The FASEB Journal, Vol. 7:678-686, (1993)</del>	
TNT	A19	✓ CH. PILGRIM, "Transport Function Of Hypothalamic Tanycyt Ependyma: How Good Is The Evidence", Neuroscience, Vol. 3:277-283, (1978)	
TNT	A20	✓ HATTON, "Pituicytes, Glia And Control Of Terminal Secretion", J. exp. Biol., Vol. 139:67-79, (1988)	
TNT	A21	✓ BOURQUE et al., "Osmoreceptors In The Central Nervous System", Annu. Rev. Physiol., Vol. 59:601-619, (1997)	
TNT	A22	FITZSIMONS, "Angiotensin, Thirst, And Sodium Appetite", Physiological Reviews, Vol. 78(3):583-686, (1998)	

Examiner Signature <b>Man</b>	Date Considered <b>9/10/03</b>
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TNT	A23	ANDERSSON, "Regulation of Water Intake", Physiological Reviews, Vol. 58(3):582-603, (1978)	
TNT	A24	JOHNSON et al., "The Extended Amygdala And Salt Appetite", Annals New York Academy of Sciences, Vol. 877:258-280, (1999)	
TNT	A25 ✓	DAVIS et al., Basic Methods in Molecular biology, (1986)	
DUPLICATE	A26	<del>SAMBROOK et al., Molecular Cloning: A Laboratory Manual, 2<sup>nd</sup> Ed., Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y., (1989)</del>	

Examiner Signature	Mona G. —	Date Considered	9/10/03
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Sheet

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of

2

Application Number

09/920,653

Filing Date

**August 3, 2001**

First Named Inventor

Masaharu NODA et al.

### Group Art Unit

~~1362~~ 1632

**Examiner Name**

**Not Yet Assigned**

Attorney Docket Number

31671-173164

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<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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Sheet 2 of 2

### Complete if Known

Application Number	09/920,653
Filing Date	August 3, 2001
First Named Inventor	Masaharu NODA et al.
Group Art Unit	1362 / 1632
Examiner Name	Not Yet Assigned
Attorney Docket Number	31671-173164

### OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

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TNT	AB	✓ JOSEPH SAMBROOK et al.. <u>Molecular Cloning: A Laboratory Manual</u> , 1989, 3 <sup>rd</sup> Ed., Vols. 1-3, Cold Spring Harbor Laboratory Press, Cold Spring Harbor, N.Y.	
TNT	AC	✓ M. RENGANATHAN et al. "α-SNS Produces, the Slow TTX-Resistant Sodium Current in Large Cutaneous Afferent DRG Neurons". <u>J. Neurophysiol.</u> , 2000, pp. 710-718, Vol. 84	
TNT	AD	✓ MIREK JURZAK et al., "Primary Culture Of Circumventricular Organs From the Rat Brain Lamina Terminals", <u>Brain Research</u> , 1994, Vol. 662, pp.198-208	
<del>DUPLICATE</del>	AE	<del>LEONARD DAVIS et al., <u>Basic Methods in Molecular Biology</u>, 1986, Elsevier Science Publishing, Inc., New York, New York</del>	

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Sheet

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2

Application Number

09/920.653

Filing Date

May 6, 2003

First Named Inventor

Masaharu NODA et al.

### Group Art Unit

1645 1632

**Examiner Name**

Thaian N. TON

Attorney Docket Number

31671-173164

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Group Art Unit	1645 1632
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TNT	✓	A. N. Akopian et al., "Structure and Distribution of a Broadly Expressed Atypical Sodium Channel", Febs Letters, Elsevier Science Publishers, Amsterdam, NL, Vol. 400, No. 2, 3 January 1997 (1997-01-03), pages 183-187	
TNT	✓	Stephen J. Quinn et al., "Sodium and Ionic Strength Sensing by the Calcium Receptor", Journal of Biological Chemistry, Vol. 273, No. 31, 31 July 1998, pages 19579-19586	
TNT	✓	Eiji Watanabe et al., "Nav2/NaG Channel is Involved in Control of Salt-intake Behavior in the CNS", Journal of Neuroscience, vol. 20, no. 20, 15 October 2000, pages 7743-7751	

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